

TABLE II.—Accumulated amounts of precipitation for each 5 minutes, etc.—Continued.

Stations.	Date.	Total duration.		Total amount of precipita-	Excessive rate.		Amount before & excessive begin.	Depths of precipitation (in inches) during periods of time indicated.													
		From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Rapid City, S. Dak.	28-29			0.12																*	
Red Bluff, Cal.	18			0.08																*	
Beno, Nev.	19			0.18																0.16	
Richmond, Va.	30			0.74																0.60	
Rochester, N. Y.	13			0.79																0.34	
Roseburg, Oreg.	27			0.12																0.05	
Roswell, N. Mex.	†			T.																T.	
Sacramento, Cal.	21			T.																	
Do.	6	8:00 p. m.	4:40 p. m.	0.73	3:24 p. m.	3:53 p. m.	0.01	0.25	0.33	0.38	0.53	0.57	0.63								
St. Louis, Mo.	18-19	7:45 p. m.	2:30 a. m.	0.91	10:23 p. m.	10:43 p. m.	0.20	0.05	0.11	0.26	0.40										
St. Paul, Minn.	24			0.39																0.23	
Salt Lake City, Utah	29			0.41																*	
San Antonio, Tex.	27			0.49																0.41	
San Diego, Cal.	18			0.02																0.02	
Sand Key, Fla.	11			0.32																0.32	
Sandusky, Ohio.	29			0.79																0.35	
San Francisco, Cal.	17			T.																T.	
San Jose, Cal.	†																				
San Luis Obispo, Cal.	18			0.03																0.02	
Santa Fe, N. Mex.	22-23			0.19																*	
Sault Sainte Marie, Mich.	12-13			1.04																*	
Savannah, Ga.	25			0.54																0.30	
Scranton, Pa.	14			1.06																0.30	
Seattle, Wash.	16			0.10																0.07	
Sheridan, Wyo.	20-21			0.27																*	
Shreveport, La.	30	7:45 a. m.	8:50 a. m.	0.60	7:56 a. m.	8:08 a. m.	0.02	0.15	0.37	0.48											
Sioux City, Iowa.	28-29			0.61																*	
Southeast Farallon, Cal.	†																				
Spokane, Wash.	10			0.23																0.06	
Springfield, Ill.	6	8:19 p. m.	4:48 p. m.	0.71	3:29 p. m.	3:51 p. m.	0.02	0.06	0.35	0.45	0.59	0.64									
Springfield, Mo.	22			1.26																0.43	
Syracuse, N. Y.	13			0.51																0.32	
Tacoma, Wash.	9			0.18																0.17	
Tampa, Fla.	9			0.48																0.22	
Tatoosh Island, Wash.	24			0.19																0.13	
Taylor, Tex.	26-27	9:26	D. N.	0.94	10:33 p. m.	10:58 p. m.	0.13	0.20	0.40	0.52	0.58	0.67									
Thomasville, Ga.	23	1:45 p. m.	2:30 p. m.	0.81	2:03 p. m.	2:14 p. m.	0.03	0.35	0.68	0.70										0.50	
Toledo, Ohio.	29			1.51																0.44	
Tonopah, Nev.	18-19			0.06																0.04	
Topeka, Kans.	12			0.52																0.42	
Valentine, Nehr.	20-21			0.62																*	
Vicksburg, Miss.	12	5:45 p. m.	D. N.	2.24	7:00 p. m.	7:40 p. m.	0.03	0.74	1.10	1.25	1.36	1.46	1.57	1.68	1.73						
Do.	25	12:40 a. m.	D. N.	1.22	2:56 a. m.	3:32 a. m.	0.33	0.09	0.17	0.36	0.63	0.72	0.77	0.83	0.89						
Walla Walla, Wash.	27			0.38																0.11	
Washington, D. C.	14			1.42																0.35	
Wichita, Kans.	26	6:00 p. m.	7:10 p. m.	0.78	6:14 p. m.	6:28 p. m.	0.02	0.26	0.57	0.66											
Williston, N. Dak.	3-4			0.45																*	
Wilmington, N. C.	13	7:28 p. m.	9:20 p. m.	0.65	7:44 p. m.	7:56 p. m.	0.05	0.16	0.37	0.41											
Winnemucca, Nev.	19			0.19																*	
Wytheville, Va.	30			1.56																0.61	
Yankton, S. Dak.	20-21			0.65																*	
Yellowstone Park, Wyo.	10			0.86																*	

* Self register not working.

† Estimated.

‡ No precipitation reported during month.

§ May 1.

Honolulu, T. H., latitude 21° 19' north, longitude 157° 52' west; barometer above sea, 38 feet; gravity correction, -0.057 inch, applied. April, 1909.

Day.	Pressure, in inches.*		Air temperature, degrees Fahrenheit.				Moisture.			Wind, in miles per hour.				Precipitation, inches.		Clouds.							
	8 a.m.	8 p.m.	8 a.m.	8 p.m.	Maximum.	Minimum.	Wet.	Relative humidity.	Wet.	Relative humidity.	8 a.m.	8 p.m.	Direction.	Velocity.	8 a.m.	8 p.m.	Amount.	Kind.	8 a.m.		8 p.m.		
																			8 a.m.	8 p.m.	8 a.m.	8 p.m.	
1.....	30.05	30.02	72.8	70.5	77	67	64.1	62	65.0	74	e.	7	ne.	5	0.03	0.00	5	Cl.	nw.	3	A.-s.	w.	
2.....	30.04	30.03	71.0	64.0	75	62	65.0	72	61.0	84	n.	4	sw.	8	T.	0.50	5	Cu.-n.	e.	10	S.	n.	
3.....	30.04	30.07	67.0	64.0	71	63	58.0	58	58.5	72	ne.	17	ne.	10	0.01	0.00	2	Cl.	w.	10	S.-cu.	ne.	
4.....	30.10	30.05	66.2	66.0	73	60	58.0	60	59.0	66	ne.	14	ne.	15	0.00	0.00	1	A.-s.	0(?)	3	A.-s.	w.	
5.....	30.07	30.06	70.0	67.0	74	62	60.0	55	59.0	62	ne.	9	ne.	12	0.00	0.00	2	Few	A.-s.	4	S.-cu.	w.	
6.....	30.11	30.09	70.0	68.5	75	64	53.5	53	62.0	70	ne.	12	ne.	4	0.00	0.00	3	A.-cu.	0	Few	S.-cu.	ne.	
7.....	30.13	30.09	72.0	72.0	77	66	66.0	73	67.0	77	ne.	3	ne.	3	0.00	0.00	1	Few	Cu.	1	Cu.-n.	s.	
8.....	30.12	30.09	74.0	73.0	79	70	64.0	58	67.0	73	e.	8	ne.	5	0.00	0.00	7	A.-cu.	sw.	0	0	0	
9.....	30.08	30.09	75.0	71.0	78	69	65.4	60	66.0	77	e.	8	ne.	4	0.00	0.00	5	Ci.-s.	e.	0	0	0	
10.....	30.12	30.10	74.0	71.0	78	70	66.3	66	64.0	68	e.	8	e.	4	0.00	0.00	6	Cu.	0	0	0	0	
11.....	30.15	30.09	68.4	70.0	76	67	63.1	75	64.0	72	e.	16	e.	15	T.	0.02	10	S.-cu.	e.	2	Cu.-n.	c.	
12.....	30.09	30.03	73.0	70.0	76	67	61.0	49	63.0	68	ne.	7	ne.	9	T.	0.02	3	Cu.	e.	9	A.-s.	w.	
13.....	30.02	30.01	73.1	70.0	76	68	63.1	57	66.0	81	n.	5	ne.	2	0.00	0.00	4	Cu.	w.	0	0	0	
14.....	30.01	29.98	73.2	71.0	76	65	66.0	68	64.0	68	w.	4	ne.	3	0.00	0.00	1	Ci.-cu.	w.	0	0	0	
15.....	30.01	29.99	72.8	72.0	75	64	66.0	70	67.0	77	se.	4	ne.	3	0.00	0.00	1	A.-cu.	ne.	5	A.-s.	0(?)	
16.....	30.04	30.01	75.0	72.0	77	66	64.3	55	67.0	77	se.	5	ne.	3	0.00	0.00	8	Ci.	w.	1	A.-s.	0(?)	
17.....	30.03	30.03	73.4	72.0	76	69	67.1	72	68.0	82	se.	3	se.	3	0.00	0.00	6	Ci.-cu.	sw.	10	S.	s.	
18.....	30.09	30.11	72.4	73.0	76	70	71.0	89	71.0	91	se.	10	se.	2	T.	T.	10	N.	se.	10	S.	e.	
19.....	30.12	30.11	76.0	72.5	78	68	67.2	63	68.0	80	ne.	8	ne.	2	T.	T.	9	A.-cu.	w.	9	S.	e.	
20.....	30.10	30.08	73.5	71.5	78	70	67.0	71	67.0	79	se.	4	s.	2	0.02	0.00	3	Ci.	0	0	0	0	
21.....	30.12	30.10	75.0	70.0	80	68	67.0	66	67.0	86	e.	7	c.	4	0.00	T.	6	Cu.	e.	10	N.	e.	
22.....	30.12	30.11	74.3	70.0	79	68	66.0	64	67.0	86	ne.	10	c.	12	0.08	T.	10	S.-cu.	e.	10	N.	ne.	
23.....	30.10	30.06	75.0	72.0	80	69	66.0	62	66.0	73	c.	15	ne.	15	0.01	0.00	5	Cu.	e.	0	0	0	
24.....	30.04	30.01	77.0	70.5	78	68	66.0	56	66.0	79	ne.	2	e.	3	0.00	0.04	1	Few	Ci.-s.	0	Few	S.-cu.	e.
25.....	30.01	30.00	73.0	72.0	77	67	68.0	78	67.0	77	ne.	2	se.	3	0.01	0.00	10	S.-cu.	0	4	Cu.	sw.	
26.....	30.04	30.05	74.2	75.0	78	70	70.0	81	71.0	82	se.	14	s.	7	0.00	0.00	2	A.-cu.	s.	10	S.	e.	
27.....	30.07	30.05	75.2	70.0	77	68	70.8	80	68.0	90	s.	9	n.	4	0.01	0.26	9	A.-s.	w.	10	A.-s.	n.	
28.....	30.04	30.03	75.0	71.5	78	69	70.0	78	67.0	79	se.	5	e.	9	0.01	0.00	10	A.-s.	sw.	5	Cu.	ne.	
29.....	30.05	30.09	76.6	73.0	79	69	69.1	69	67.5	75	n.	2	e.	4	0.00	0.08	7	Cu.	e.	10	Cu.	ne.	
30.....	30.14	30.13	75.4	72.0	82	69	67.0	71	67.0	77	ne.	3	ne.	9	0.00	0.00	10	S.-cu.	ne.	4	Cu.	ne.	
31.....																							
Mean.....	30.075	30.059	73.1	70.6	77.0	67.1	65.4	66.4	65.6	76.7	ne.	7.5	ne.	5.8	0.18	0.85	6.5	Cu.	e.	4.8	A.-s.	ne.	

Observations are made at 8 a.m. and 8 p.m., local standard time, which is that of 157° 30' west, and is 5^o and 30' slower than 75th meridian time. *Pressure values are reduced to sea level and standard gravity.

RAINFALL IN JAMAICA.

Through the kindness of Mr. Maxwell Hall, meteorologist to the government of Jamaica and now in charge of the meteorological service of that island, we have received the following data:

The rainfall over the island for April was therefore an inch below the average.

The greatest rainfall, 16.45 inches, was recorded at Pepper; and no rain fell at Dry Harbor.

Comparative table of rainfall.

[Based upon the average stations only.]

APRIL, 1909.

Divisions.	Relative area.	Number of stations.	Rainfall.	
			1909.	Average.
Northeastern division.....	25	17	4.19	5.89
Northern division.....	22	41	1.47	3.29
West-central division.....	26	20	5.08	7.36
Southern division.....	27	26	3.88	3.77
Means.....	100	3.64	5.08

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